Physics Class 9th

Chapter No 1 Important S.Q + L.Q

Short

1. Base or Dessived quantites (15 times in Board)
2. Prefixes (7 times in Board)
3. Scientific notation (5 times in Board)
4. Estimate your age in seconds (7 times)
5. Vernier constant (7 times in Board)
6. Any least count (13 times in Board)
7. Atomic or Nuclear physics (8 times in Board)
8. Zero Esser (6 times in Board)
9. Mechanical or Digital Stopwatch (4 times)
10. Significant figures. (5 times in Board)

Chapter No 2

Short

1. Difference b/w Rest or Motion (6 times)
2. Circular, Random, Rotatory Vibratory or Translatory motions (23 time)
3. Difference b/w Distance or Displacement. (7 times in Board)
4. Difference b/w scalars or vectors. (8 times in Board)
5. Define velocity, accelaration, uniform accelaration, speed. (24 times)
6. Can a body moving with constant speed have accelaration in it? (4 times)

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Long

1. 1st equation of motion (9 times)
   and motion (4 times in Board

3. 3rd equation of motion (5 times)
4. Exercise Numerical 2.6. (3 times)

Chapter No 3

Short

1. State Newtons law or Inertia. (11 times In Board)
2. Momentum (7 times In Board)
3. Law of conservation of momentum with examples. (6 times in Board)
4. Difference b/w mass or weight. Centripetal or Centrifugal force. (10 times In Board)
5. Define unit of force and force. (6 times In Board)
6. Advantages or Disadvantages of friction. (8 times in Board)
7. Banking of road and its significance. (7 times In Board)
8. Newton second law's State. (4 times In Board)
9. Sliding or Rolling friction. (7 times in Board)

Long

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1. Newton's second law (8 times)
2. Law of conservation of Momentum. (3 times in Board)
3. Rate of change of momentum. (4 times in Board)
4. Example # 3.6 (Imp in Board)

5. Exercise Numericals # 3.8, 3.10 (6 times)

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Unit # 4

SHORT

1) Torque + unit and its formula (6times)
2) Resultant vector or resolution of force (8time
3) Like or Unlike parallel forces (9times)
4) Head to Tail Rule + example (5times)
5) Rigid body (6times)
6) Axis of rotation (7times)
7) Centre of mass and gravity (13 times)
8) Equilibrium and its condition (8times)
9) Stable, Unstable or Neutral Equilibrium (9times in Board)
10) Principle of moments (4times in Board)
11) Couple. (3 Times in Board).

LONG

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1) States of Equilibrium (5times in Board)
2) Resolution of forces (6times in Board)

Unit # 5

1) Law of gravitation (13 times in Board)
2) Define field force and How gravitational force is a field force? (10times in Board)

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3) Why the values of g varies at different places and altitudes? (24 times in Board)
4) Differ b/w Natural or
5) Artificial satellite? (7 times in Board)
6) Force of graviptation. (7 times in Board)
7) Gravitational constant. (5 times)
8) GPS (Navigation) (7 times in Board)
9) Gravitational feild. (8 times in Board)
10) What is the strength of gravitational feild (8 times in Board)
11) Mass of Earth with formula and its value. (8 times in Board)

Unit #6

SHORT

1) Define Work and its unit. (14 times)
2) Define Power with its unit (14 times)
3) Define K.E or P.E with eg (7 times)
4) Define Energy or mechanical energy with example. (12 times in Board)
5) Efficiency. (7 times in Board)
6) mass-energy equation. 5 times
7) Light, Nuclear, Sound and chemical energy. (11 times)
8) Fossil Fuels with advantage or disadvantage. (3 times in Board)

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1) Kinetic Energy (Imp. in Board)

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2) Types of Energy (Imp in Board)
3) Work with derivation (Imp. in Board)

Unit # 7

SHORT

1) Pressure (8 time in Board)
2) Kinetic Molecular model (8 times)
3) Pascal's Law (8 times in Board)
4) Differ b/w stress or strain (08 times)
5) Hooke's law or Young's modulus (12 times)
6) Elasticity (07 times in Board)
7) Principal of flotation of ships, boats, stones and submarines. (17 times in Board)
8) Plasma (6 times in Board)
9) Barometere and why it is use in wates. (4 times in Board)

Unit # 8

SHORT

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1) internal Energy (6 times in Board)
2) Thermometre (10 times in Board)
3) Differ b/w heat or Temp (7 times)
4) Specific Heat Capacity (5 times)
5) Heat Capacity (4 times in Board)
6) Latent Heat of fusion 9 times in Board

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7) Latent heat of Vapourization (7 times in Board)

Unit #9

SHORT

1) Linear Thermal Expansion (4 times)
2) Conduction or Convection 10 times
3) Convection current (4 times)
4) Land or Sea Breeze 6 times
5) Radiation with factors & with Consequences (@ 9 times)
6) Thermal conductivity or flow of heat @ 8 times
7) Green house effect (9 times)

Long

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1) Thermal Conductivity (Imp in Board)